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WHAT IS CLAIMED IS:

1. A packet communication system comprising:

a plurality of terminals, and

transferring means for transferring multicast packets written with the same information to said plurality of terminals;

wherein said transferring means comprises:

a broadcast group managing router provided with: holding means for holding calculation type addresses having bits "1" corresponding to those of said plurality of terminals to which a multicast packet is to be transferred, respectively; and assigning/sending means for assigning a pertinent calculation type address to a multicast packet and sends out the multicast packet; and

at least one calculation type address calculating router provided with:
holding means for holding directional route masks having bits "1"
corresponding to those directional routes into which a multicast packet is to be
transferred, respectively; and sending means for sending out a multicast packet
to those directional routes which are given with logical products of "1" by the
combination of each directional route mask and said assigned calculation type
address; and

wherein each of said plurality of terminals comprises:

holding means for holding a terminal mask having a bit "1" 20 corresponding to the terminal itself; and

multicast packet receiving means for receiving a multicast packet which is given with a logical product of "1" by the combination of said terminal mask and said assigned calculation type address.

2. A mobile communication system comprising:

a mobile terminal;

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a plurality of broadcast receiving routers communicated to said mobile terminal via radio link;

encapsulating means for encapsulating a uni-cast packet destined to said mobile terminal into a multicast packet destined to said plurality of broadcast receiving routers; and

transferring means for transferring the multicast packet;

wherein said transferring means comprises:

a mobile terminal position managing router provided with: holding means for holding calculation type addresses having bits "1" corresponding to those of said plurality of broadcast receiving routers to which a multicast packet is to be transferred, respectively; and assigning/sending means for assigning a pertinent calculation type address to a multicast packet and sends 15 out the multicast packet; and

at least one calculation type address calculating router provided with: holding means for holding directional route masks having bits "1" corresponding to those directional routes into which a multicast packet is to be transferred, respectively; and sending means for sending out a multicast packet to those directional routes which are given with logical products of "1" by the combination of each directional route mask and said assigned calculation type address; and

wherein each of said plurality of broadcast receiving routers comprises: holding means for holding a terminal mask having a bit "1" corresponding to the terminal itself; 25

multicast packet receiving means for receiving a multicast packet which is given with a logical product of "1" by the combination of said terminal mask and said assigned calculation type address; and

de-capsulating means for de-capsulating the received multicast packet into a uni-cast packet destined to said mobile terminal.

3. An addressing method for communication, comprising:

at least one calculation type address having bits "1" corresponding to destinations to which a multicast packet is to be transferred;

at least one directional route mask having bits "1" corresponding to
those directional routes into which a multicast packet is to be transferred; and
at least one terminal mask having a bit "1" corresponding to that
destination which is to receive the multicast packet.